WO 89-6 Bringall

October 23, 1989

Sally Couch Raven Services Corp. 2200 Sixth Ave., Suite 519 Seattle, WA 98121

Dear Sally:

Per your request, work authorization 89-6 has been decreased by \$1,335 due to waiving of summer flume monitoring, for a new authorization total of \$4,005. In addition, the revised total WBE commitment is \$600; MBE is \$1,470.

If you have any questions, please call me.

Cordially,

Cheryl Tenney Executive Assistant Environmental Affairs Division

CT:em

cc: O'Quinn Tenney EAD File

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Quarterly Costs: Startup

Field:

Raven Project Manager - 5 #\$47/hour

Office:

Project Manager - 4 @ \$45/hour WBE Assistance - 5 € \$40/hour Raven 15 percent WBE Carrying Cost

Other Costs:

MBE PCB Analysis - 7 @\$70/each Raven 15 percent Carrying Cost Sample Jars Chemicals and supplies Van Travel - 30 miles @ .25/mi.

QUARTERLY BUDGET:

TOTAL BUDGET (quarterly x 4)

30,00 490.00 V.112 10.00 1,607 19.00 7.50

200.00

90:00 V.107

235.00 VILO7

180.00 V, 11 Z

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5340.00

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Will only perform 3 gtrs. & work .- reduce

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Voucher # 106 5/1/89 Contract #3840

TO:

SEATTLE CITY LIGHT

OFFICE OF ENVIRONMENTAL AFFAIRS

1015 THIRD AVENUE

SEATTLE, WASHINGTON 98104

ATTENTION: CHERYL TENNEY

RE:

CONSULTING SERVICE CONTRACT FOR SAMPLING & ANALYTICAL SERVICES

PROJECT # C86-167

WORK ORDER #89-6:

"1989 QUARTERLY MONITORING OF THE

GEORGETOWN FLUME"

Date of Order	Date of Delivery/ Service	Service[s] Provided	Quant/Cost/Unit	Amount
3/23/89		Startup		\$ 90 /
	-	FIELD: Raven Project Manager	5/ <b>\$</b> 47/hour	235
	:	OTHER: Sample jars Chemicals, supplies Travel, van	30/ <b>\$.</b> 25/mile	10 19 <u>7.50</u> -
		TOTAL	(	\$ 361.50

DIV 120 WG 31 PC 1220 PC Charles N. Janney 24/87 6 5/14/90 CSCU41

SCL 04325



Continuation Page Voucher # 106 Contract #3840 Work Order #89-6 Budgeted: \$5,256

	imed for s Billing Period	Cumulative Claimed Through This Billing Period
Startup	\$ 90.00	. \$ 90.00
FIELD: Raven Project Manager	235.00	235.00
OTHER: Sample jars Chemicals, supplies Travel, van	10.00 19.00 7.50	10.00 19.00 7.50
TOTAL[S]	\$ 361.50	\$ 361.50

Youcher # 112 6/1/89 Contract #3840

T0:

SEATTLE CITY LIGHT

OFFICE OF ENVIRONMENTAL AFFAIRS

1015 THIRD AVENUE

SEATTLE, WASHINGTON 98104

ATTENTION: CHERYL TENNEY

RE:

CONSULTING SERVICE CONTRACT FOR SAMPLING & ANALYTICAL SERVICES

PROJECT # C86-167

WORK ORDER #89-6: "1989 QUARTERLY MONITORING OF THE

GEORGETOWN FLUME"

Date of Order	Date of Delivery/ Service	Service[s] Provided	Quant/Cost/Unit	Amount
3/23/89		OFFICE: Raven Project Mgr WBE Assistance Raven 15% Carrying OTHER:	4/ \$45 / hr 5/ \$40 / hr Cost	\$180.00 200.00 30.00
		MBE PCB Analysis Raven 15% Carrying	7/ \$70 / ea. Cost	490.00 / 52.50 / 7
		TOTAL	·	1992.50
	•			WA. OR ACCT
				APPROVED Clariff.

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Continuation Page
Voucher # 112
Contract #3840
Work Order #89-6
Budgeted: \$5,256

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	ned for Billing Period	Cumulative Claimed Through This Billing Period
Startup	\$ 0	\$ 90.00
FIELD: Raven Project Manager	0	235.00
OFFICE: Raven Project Manager WBE Assistance Raven 15% Carrying Cost	180.00 200.00 30.0⊖	180.00 200.00 30.00
OTHER: MBE PCB Analysis Raven 15% Carrying Cost Sample jars Chemicals, supplies Travel, van	490.00 52.50 0 0	490.00 <del>\$2.50</del> 13.50 10.00 19.00 
TOTAL[S]- 1ST QTR	\$ ~ <del>952.50</del> Q	\$ <del>1,314.00</del> 1335 <sup>00</sup>



Voucher #130 10/2/89 Contract #3840

TO: SEATTLE CITY LIGHT

OFFICE OF ENVIRONMENTAL AFFAIRS

1015 THIRD AVENUE

SEATTLE, WASHINGTON 98104

ATTENTION: CHERYL TENNEY

RE: CONSULTING SERVICE CONTRACT FOR SAMPLING & ANALYTICAL SERVICES

PROJECT # C86-167

WORK ORDER #89-6: "1989 QUARTERLY MONITORING OF THE

GEORGETOWN FLUME"

Date of <u>Order</u>	Date of Delivery, Service		Quant/Cost/Unit	Amount
3/23/89	9/19/89	STARTUP FIELD: Raven Project Mgr	5/ \$47 / hr	\$ 90.00
		OTHER: Sample jars Chemicals, supplies Travel, van	30/\$.25/mile	10.00 19.00 7.50
		TOTAL		\$361.50

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APPROVED Chicago A. January

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SCL 04329

Continuation Page Voucher # 130 Contract #3840 Work Order #89-6 Budgeted: \$5,256 Amendment: \$84 Rev. Budget:\$5,340

<u>Claimed Costs</u>	Claimed for This Billing Period	Cumulative Claimed Through This Billing Period
<u>SPRING MONITORING:</u> Startup	\$ 0	\$ 90.00
FIELD: Raven Project Manager	: <b>0</b>	235.00
OFFICE: Raven Project Manager WBE Assistance Raven 15% Carrying Cost	180.00 200.00 30.00	180.00 200.00 30.00
OTHER: MBE PCB Analysis Raven 15% Carrying Cost Sample jars 0	490.00 73.50 10.00	490.00 73.50
Chemicals, supplies Travel, van	0	19.00 <u>7.50</u>
TOTAL BILLED	\$ 973.50	\$1,335.00
SUMMER MONITORING:		
Deleted, per Roger Taylor		
FALL MONITORING:	,	
Startup	\$ 90.00	\$ 90.00
FIELD: Raven Project Manager	235.00	235.00
OTHER: Sample jars Chemicals, supplies Travel, van	10.00 19.00 7.50	10.00 19.00 7.50
TOTAL BILLED	\$ 361.50	<b>\$1,696.5</b> 0



Voucher #133 11/1/89 Contract #3840

TO: SEATTLE CITY LIGHT

OFFICE OF ENVIRONMENTAL AFFAIRS

1015 THIRD AVENUE

SEATTLE, WASHINGTON 98104

ATTENTION: CHERYL TENNEY

RE: CONSULTING SERVICE CONTRACT FOR SAMPLING & ANALYTICAL SERVICES

PROJECT # C86-167

WORK ORDER #89-6: "1989 QUARTERLY MONITORING OF THE

GEORGETOWN FLUME"

Date of Order	Date of Delivery/ Service	Service[s] Provided Quant/Cost/Unit	Amount
3/23/89	10/31/89	OFFICE: Raven Project Manager 4/ \$45 /hr WBE Assistance 5/ \$40 /hr Raven 15% WBE Carrying Cost	\$180 <u></u>
		OTHER:  MBE PCB Analysis 7/ \$70 /ea. Raven 15% MBE Carrying Cost	490 73.50
		TOTAL	\$973.50

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STAFF OK X 7 D. Lowney
DATE 1122 89
DATE C860641

SCL 04331

Continuation Page
Voucher # 133
Contract #3840
Work Order #89-6
Budgeted: \$5,256
Amendment: (1,251)
Rev. Budget: \$4,005

<u>Claimed Costs</u>	Claimed for This Billing Period	Cumulative Claimed Through This Billing Period
<u>SPRING MONITORING:</u> Startup	\$ 0	\$ 90.00
FIELD: Raven Project Manager OFFICE:	0	235.00
Raven Project Manager WBE Assistance Raven 15% Carrying Cost	0 0 0.	180.00 200.00 30.00
OTHER:  MBE PCB Analysis Raven 15% Carrying Cost Sample jars Chemicals, supplies	0 0 0 0	490.00 73.50 10.00 19.00
Travel, van  TOTAL BILLED	• • • • • • • • • • • • • • • • • • •	7.50
SUMMER MONITORING: Deleted, p	er Roger Taylor	\$1,335.00
Startup FIELD:	<b>\$</b> 0	\$ 90.00
Raven Project Manager OFFICE:	0	235.00
Raven Project Manager WBE Assistance Raven 15% WBE Carrying Cost OTHER:	180 200 30	180.00 200.00 30.00
MBE PCB Analysis Raven 15% MBE Carrying Cost Sample jars Chemicals, supplies Travel, van	490 73.50 0 0	490.00 73.50 10.00 19.00 7.50
TOTAL BILLED	\$ 973.50	\$1,335.00
GRAND TOTAL		\$2,670.00

SCL 04332



Voucher #145 1/2/90 Contract #3840

TO: SEATTLE CITY LIGHT

OFFICE OF ENVIRONMENTAL AFFAIRS

1015 THIRD AVENUE

SEATTLE, WASHINGTON 98104

ATTENTION: CHERYL TENNEY

RE: CONSULTING SERVICE CONTRACT FOR SAMPLING & ANALYTICAL SERVICES

PROJECT # C86-167

WORK ORDER #89-6: "1989 QUARTERLY MONITORING OF THE

GEORGETOWN FLUME"

Date of Order	Date of Delivery/ Service	Service[s] Provided Q	uant/Cost/Unit A	Amount
3/23/89	12/13/89	STARTUP FIELD:	1 / \$90 / ea	\$ 90 -
		Raven Project Manager OTHER COSTS:	5 / \$47 /hr	235 —
		Sample jars Chemicals, supplies		10 – 19 –
		Travel, van	30 / .25 / mile	7.50
		TOTAL		\$ 361.50 %

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Continuation Page Voucher # 145 Contract #3840 Work Order #89-6 Budgeted: \$5,256 Amendment: (1,251) Rev. Budget: \$4,005

Claimed Costs	Claimed for This Billing	Period		Cumulative Claimed Through This Billing Period
SPRING MONITORING: Startup	\$	0	×	\$ 90.00
FIELD: Raven Project Manager OFFICE:		0		235.00
Raven Project Manager WBE Assistance Raven 15% Carrying Cost OTHER:		0 0 0		180.00 200.00 30.00
MBE PCB Analysis Raven 15% Carrying Cost Sample jars Chemicals, supplies Travel, van		0 0 0 0		490.00 73.50 10.00 19.00 7.50
TOTAL BILLED	\$	0		\$1,335.00
<u>SUMMER MONITORING:</u> Deleted, po	er Roger Taylo	r		
Startup FIELD:	\$	0		\$ 90.00
Raven Project Manager OFFICE:		0.	•	235.00
Raven Project Manager WBE Assistance Raven 15% WBE Carrying Cost OTHER:		0 0 0		180.00 200.00 30.00
MBE PCB Analysis Raven 15% MBE Carrying Cost Sample jars Chemicals, supplies Travel, van		0 0 0 0		490.00 73.50 10.00 19.00 7.50
TOTAL BILLED	\$	0		\$1,335.00

Continuation Page Voucher # 145 Contract #3840 Work Order #89-6 Budgeted: \$5,256 Amendment: (1,251) Rev. Budget: \$4,005

#### WINTER MONITORING:

Startup	\$ 90	\$ 90.00
FIELD: Raven Project Manager	235	235.00
OTHER: Sample jars Chemicals, supplies Travel, van	10 19 7.50	10.00 19.00 7.50
TOTAL BILLED	\$ 361.50	\$ 361.50
GRAND TOTAL		\$3,031.50



Voucher #152 2/1/90 Contract #3840

TO: SEATTLE CITY LIGHT

OFFICE OF ENVIRONMENTAL AFFAIRS

1015 THIRD AVENUE

SEATTLE, WASHINGTON 98104

ATTENTION: CHERYL TENNEY

RE: CONSULTING SERVICE CONTRACT FOR SAMPLING & ANALYTICAL SERVICES

PROJECT # C86-167

WORK ORDER #89-6: "1989 QUARTERLY MONITORING OF THE

GEORGETOWN FLUME"

Date of Order	Date of Delivery/ Service	Service[s] Provided	Quant/Cost/Unit	Amount
3/23/89	1	OTHER COSTS: MBE Analysis Raven 15% Carrying Co	7/\$70/each	\$490.00 <del>/</del>
		TOTAL		\$563.50

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Continuation Page Voucher # 152 Contract #3840 Work Order #89-6 Budgeted: \$5,256 Amendment: (1,251) Rev. Budget: \$4,005

<u>Claimed Costs</u>	Claimed for This Billing Per	Cumulative Claimed Through iod This Billing Period
SPRING MONITORING: Startup	\$ 0	\$ 90.00
FIELD: Raven Project Manager OFFICE:	0	235.00
Raven Project Manager	0	180.00
WBE Assistance	0	200.00
Raven 15% Carrying Cost OTHER:	0	30.00
MBE PCB Analysis	0	490.00
Raven 15% Carrying Cost	Ŏ	73.50
Sample jars	Ŏ	10.00
Chemicals, supplies	. 0	19.00
Travel, van	0	
TOTAL BILLED	<b>\$</b> 0	
TOTAL DILLED	• 0	\$1,335.00
SUMMER MONITORING: Deleted, pe	er Roger Taylor	
FALL MONITORING:		
Startup FIELD:	\$ 0	\$ 90.00
Raven Project Manager OFFICE:	0	235.00
Raven Project Manager	0	180.00
WBE Assistance	. 0	200.00
Raven 15% WBE Carrying Cost OTHER:	. 0	30.00
MBE PCB Analysis	٨	
Raven 15% MBE Carrying Cost	0	490.00 73.50
Sample jars	0	10.00
Chemicals, supplies	ŏ	19.00
Travel, van	0	
TOTAL BILLED	<b>\$</b> 0	\$1,335.00

Continuation Page Voucher # 152 Contract #3840 Work Order #89-6 Budgeted: \$5,256 Amendment: (1,251) Rev. Budget: \$4,005

## WINTER MONITORING:

Startup	\$ 0	\$ 90.00
FIELD: Raven Project Manager OTHER:	0	235.00
MBE Analysis Raven 15% Carrying Cost Sample jars Chemicals, supplies Travel, van	490.00 73.50 0 0	490.00 73.50 10.00 19.00 7.50
TOTAL BILLED	\$ 563.50	\$ 925.00
GRAND TOTAL		\$3,595.00

Voucher #159 3/1/90 Contract #3840

TO: SEATTLE CITY LIGHT

OFFICE OF ENVIRONMENTAL AFFAIRS

1015 THIRD AVENUE

SEATTLE, WASHINGTON 98104

ATTENTION: CHERYL TENNEY

RE: CONSULTING SERVICE CONTRACT FOR SAMPLING & ANALYTICAL SERVICES PROJECT # C86-167

WORK ORDER #89-6: "1989 QUARTERLY MONITORING OF THE

**GEORGETOWN FLUME"** 

Date of Order	Date of Delivery/ Service	Service[s] Provided	Quant/Cost/Unit	Amount
3/23/89		OFFICE: Raven Project Manage WBE Project Assistand Raven 15% WBE Carryi	ce 5/\$40/hour	\$ 90.00 / 200.00
		TOTAL		\$320.00

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Continuation Page Youcher # 159 Contract #3840 Work Order #89-6 Budgeted: \$5,256 Amendment: (1,251) Rev. Budget: \$4,005

<u>Claimed Costs</u>	Claimed for This Billing Period	Cumulative Claimed Through This Billing Period
<u>SPRING MONITORING:</u> Startup	<b>\$</b> 0	\$ 90.00
FIELD: Raven Project Manager OFFICE:	0	235.00
Raven Project Manager WBE Assistance Raven 15% Carrying Cost	0 0 0	180.00 200.00 30.00
OTHER:  MBE PCB Analysis Raven 15% Carrying Cost Sample jars Chemicals, supplies Travel, van	0 0 0 0	490.00 73.50 10.00 19.00 
TOTAL BILLED	\$ 0	\$1,335.00
SUMMER MONITORING: Deleted, p	per Roger Taylor	
FALL MONITORING:		
Startup FIELD:	\$ 0	\$ 90.00
Raven Project Manager	0	235.00
OFFICE: Raven Project Manager WBE Assistance Raven 15% WBE Carrying Cost OTHER:	0 0 0	180.00 200.00 30.00
MBE PCB Analysis Raven 15% MBE Carrying Cost Sample jars Chemicals, supplies Travel, van	0 0 0 0	490.00 73.50 10.00 19.00 7.50
TOTAL BILLED	\$ 0	\$1,335.00

Continuation Page Voucher # 159 Contract #3840 Work Order #89-6 Budgeted: \$5,256 Amendment: (1,251) Rev. Budget: \$4,005

## WINTER MONITORING:

Startup	<b>\$</b> 0	\$ 90.00
FIELD: Raven Project Manager	0	235.00
OTHER:	00	00.00
Raven Project Manager WBE Assistance	90 200	90.00 200.00
Raven 15% WBE Carrying Cost	30	30.00
MBE Analysis Raven 15% Carrying Cost	0 0	490.00 73.50
Sample jars	ŏ	10.00
Chemicals, supplies Travel, van	0	19.00 7.50
TOTAL BILLED	\$ 320.	\$1,245.00
GRAND TOTAL		\$3,915.00

Voucher #180 7/2/90 Contract #3840

TO:

SEATTLE CITY LIGHT

OFFICE OF ENVIRONMENTAL AFFAIRS

1015 THIRD AVENUE

SEATTLE, WASHINGTON 98104

ATTENTION: CHERYL TENNEY

RE: CONSULTING SERVICE CONTRACT FOR SAMPLING & ANALYTICAL SERVICES

PROJECT # C86-167

WORK ORDER #89-6: "1989 QUARTERLY MONITORING OF THE

GEORGETOWN FLUME"

Date of Order	Date of Delivery/ Service	Service[s] Provided	Quant/Cost/Unit	Amount
3/23/89	(	OFFICE: Raven Project Manager	2/\$45/hour	\$ 90.00
	••	TOTAL		\$ 90.00

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Continuation Page
Voucher # 180
Contract #3840
Work Order #89-6
Budgeted: \$5,256
Amendment: (1,251)
Rev. Budget: \$4,005

Claimed Costs	Claimed for This Billing I	Period	Cumulative Claimed Through This Billing Period
SPRING MONITORING: Startup	\$	0	\$ 90.00
FIELD: Raven Project Manager OFFICE:		0	235.00
Raven Project Manager WBE Assistance Raven 15% Carrying Cost		0 0 0	180.00 200.00 30.00
OTHER: MBE PCB Analysis Raven 15% Carrying Cost		0	490.00 73.50
Sample jars Chemicals, supplies Travel, van		0 0 0	10.00 19.00 
TOTAL BILLED	\$	0	\$1,335.00
SUMMER MONITORING: Deleted, p	er Roger Taylor		
FALL MONITORING:			
Startup FIELD:	\$	0	\$ 90.00
Raven Project Manager OFFICE:		0	235.00
Raven Project Manager WBE Assistance Raven 15% WBE Carrying Cost		0 0 0	180.00 200.00 30.00
OTHER: MBE PCB Analysis Raven 15% MBE Carrying Cost Sample jars		0 0 0	490.00 73.50 10.00
Chemicals, supplies Travel, van	I	0 0	19.00 
TOTAL BILLED	\$	0	\$1,335.00

Continuation Page Voucher # 180 Contract #3840 Work Order #89-6 Budgeted: \$5,256 Amendment: (1,251) Rev. Budget: \$4,005

### WINTER MONITORING:

Startup	\$ 0	\$ 90.00
FIELD: Raven Project Manager	0	235.00
OTHER: Raven Project Manager	90	180.00
WBE Assistance	ő	200.00
Raven 15% WBE Carrying Cost	. 0	30.00
MBE Analysis	0	490.00
Raven 15% Carrying Cost	0	73.50
Sample jars	0	10.00
Chemicals, supplies	0	19.00
Travel, van	0	7.50
TOTAL BILLED	\$ 90.	\$1,335.00
GRAND TOTAL		\$4,005.00